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U. S. Department of Agriculture, Forest Service
FOREST PRODUCTS LABORATORY

In cooperation with the University of Wisconsin

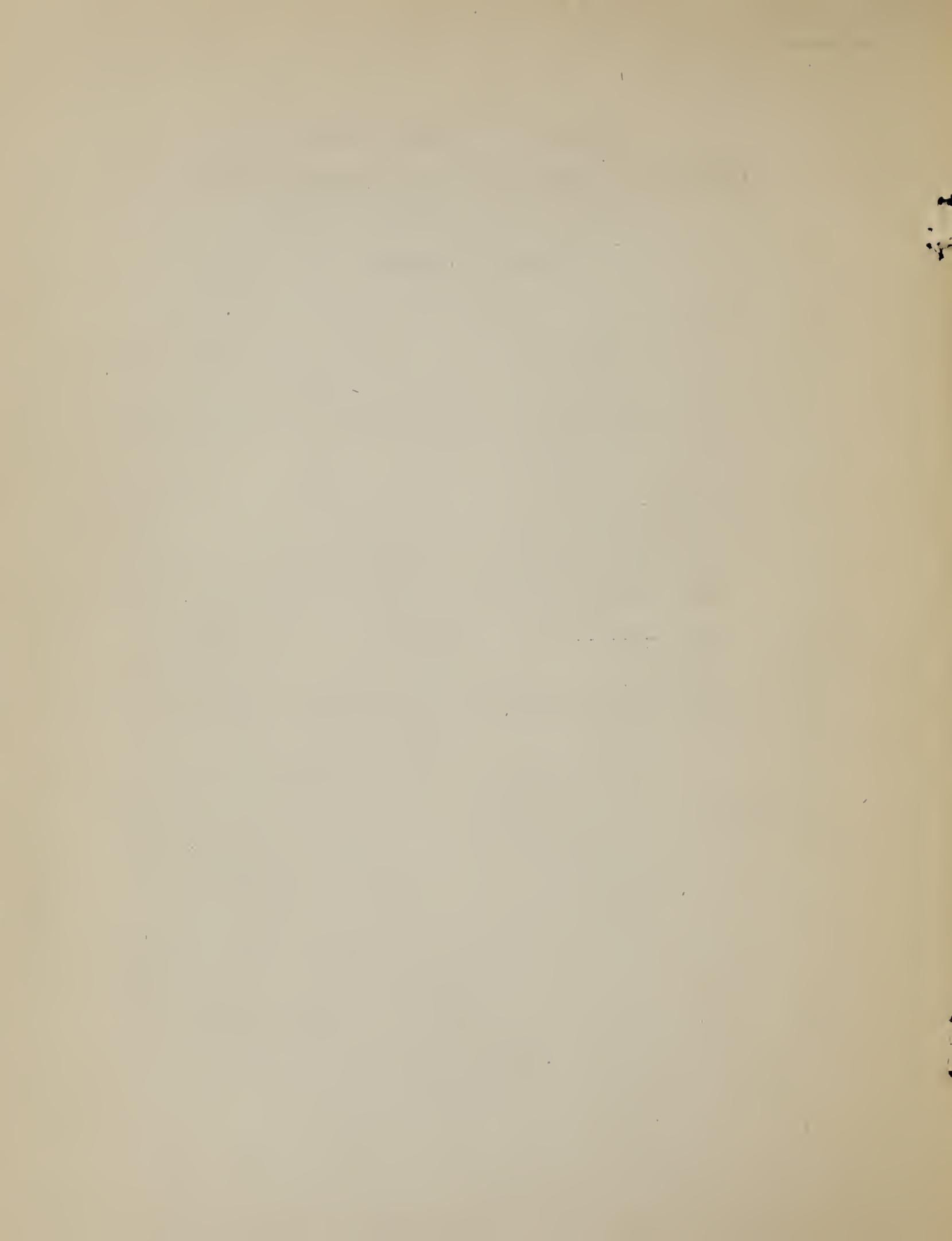
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List of Forest Service Publications

**LOGGING, MANUFACTURE, DISTRIBUTION, AND USE OF
TIMBER, LUMBER, AND OTHER WOODEN PRODUCTS**

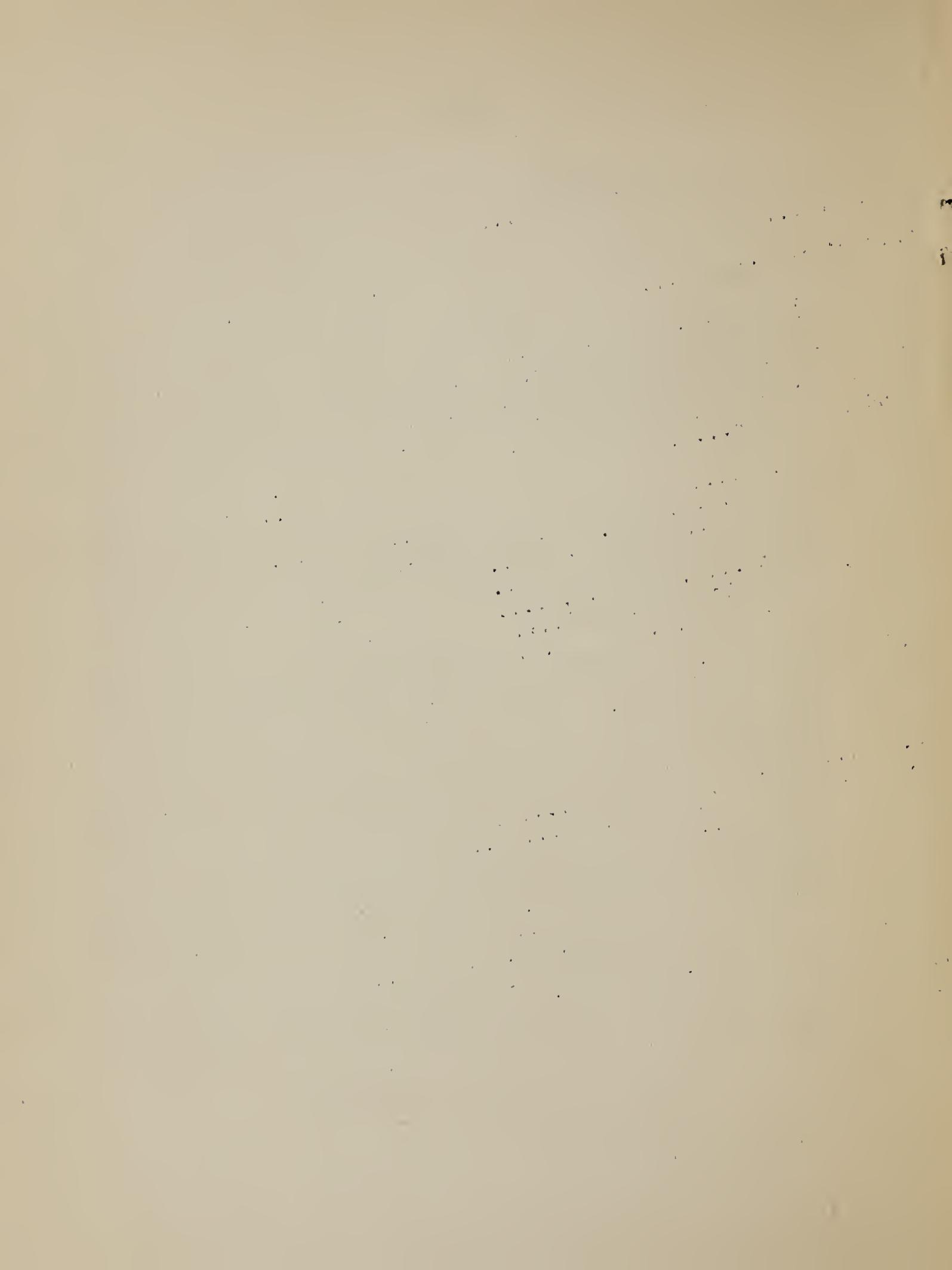
Prepared by
SECTION OF INDUSTRIAL INVESTIGATIONS

June, 1925



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PUBLICATION LISTS OF THE
FOREST PRODUCTS LABORATORY, FOREST SERVICE

Logging, Manufacture, Distribution, and Use of Timber, Lumber,
and Other Wooden Products (Including Fabricated Articles)

This list, which begins on Page 2, includes publications that give the results of research by the Forest Products Laboratory on methods and practices in the lumber producing and wood consuming industries; standard lumber grades, sizes, and nomenclature; production and use of small dimension stock; specifications for small wooden products; uses for little-used species and commercial woods; and low grade and wood waste surveys. Included also are various other government publications and some commercial books on these subjects.

Other lists of publications dealing with the investigative projects of the Forest Products Laboratory are obtainable upon request. They are as follows:

Boxing and Crating

Strength and serviceability of shipping containers, methods of packing.

Derived Products

Chemical properties and uses of wood and chemical wood products, such as turpentine, alcohol, and acetic acid.

Glue, Plywood, and Coatings

Development of waterproof glues. Preparation and application of various glues. Plywood manufacturing problems. Coatings and methods of application.

Pathology (In cooperation with the Bureau of Plant Industry)

Fungous diseases of trees, decay, molds, and stains in timber, in buildings, and in wood products; anti-septic properties of wood preservatives.

Preservation

Preservative materials and methods of application. Durability and service records of treated and untreated wood in various forms.

Pulp and Paper

Suitability of various woods for pulp and paper; fundamental principles underlying the pulping and bleaching processes; methods of technical control of these processes; relation of the chemical and physical properties of pulps and the relation of these properties to the paper making qualities of the pulps; waste in the industry, i.e., decay in wood and pulp, utilization of bark, white water losses, etc.

Timber Mechanics

Strength of timber and factors affecting strength; design of wooden articles or parts where strength or resistance to external forces is of importance.

Timber Physics

Experimental and applied kiln drying, physical properties, air drying, steam bending.

Wood Technology

Identification of wood, effect on wood of turpentine and other extrinsic agencies, and structure of wood in relation to its properties.

READ THESE INSTRUCTIONS CAREFULLY:

One asterisk (*) appearing before the title of any article indicates that the supply available for general distribution from the Forest Products Laboratory is exhausted, but that:

1. Government publications may be purchased, for the nominal prices indicated, from the Superintendent of Documents, Government Printing Office, Washington, D. C. (Send money orders, drafts, or cash in United States money at sender's risk.)

2. Trade journal articles can often be purchased from the publishers or the articles consulted in the original issues in various libraries.

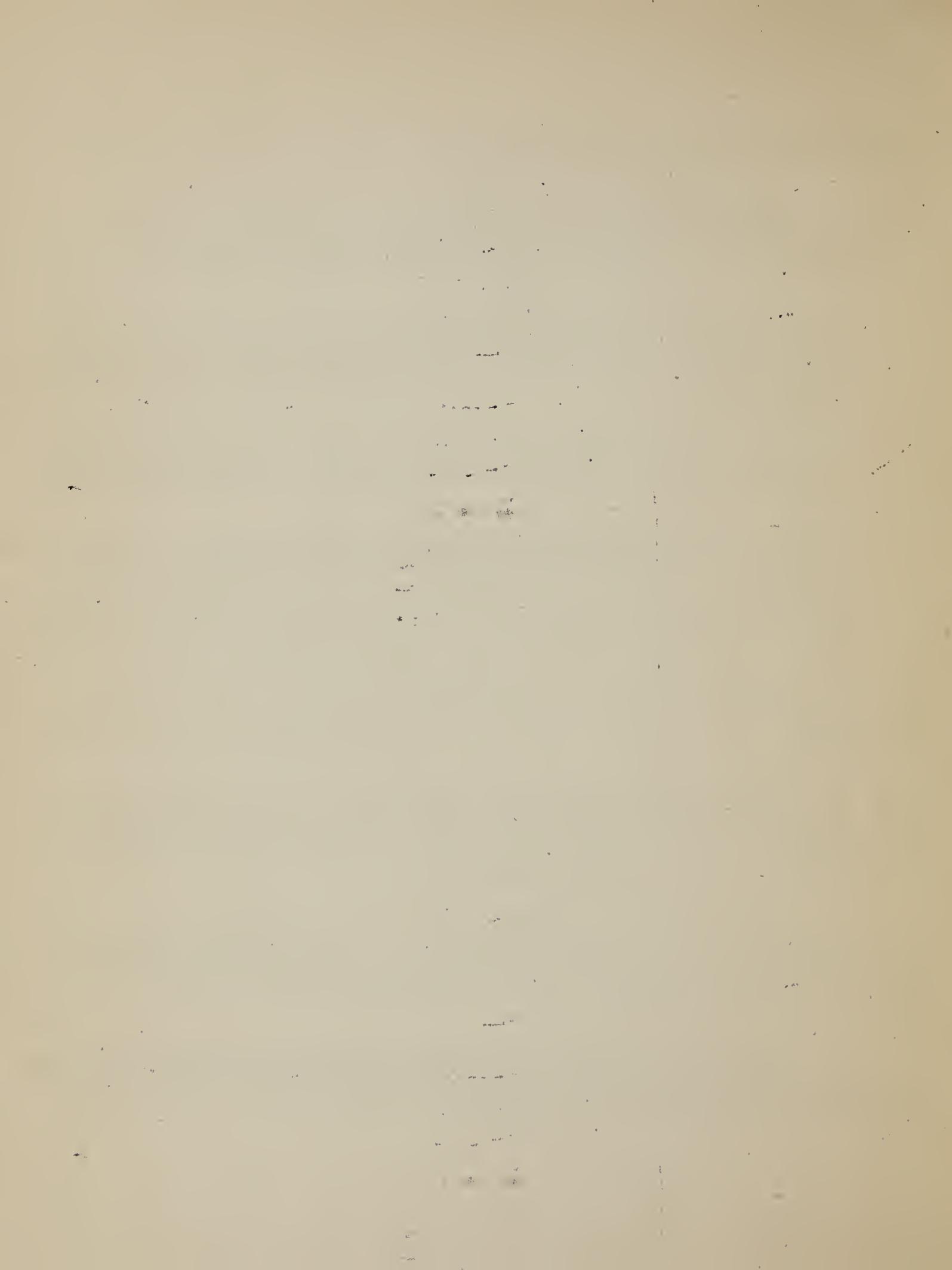
3. State reports, association reports, etc., can sometimes be obtained by writing to the addresses given. The charge is stated for publications for which a known charge is made, and information on other reports listed may be obtained from the publishers. Postage should accompany requests for this class of reports for which no charge is made.

Two asterisks (**) appearing before the title of any article indicates that the supply is out of print or temporarily exhausted.

No asterisk preceding an article indicates that when this list was printed copies were available in the form of bulletins, reprints, mimeographs, or technical notes and that copies may be obtained free upon application to the Director, Forest Products Laboratory, Madison, Wisconsin.

The Laboratory reserves the right to furnish only those publications, available for distribution, which in its judgment will furnish the information requested. Blanket requests or requests for large numbers of any individual article will not be filled except in unusual cases.

Articles both in and out of print may often be consulted in local public libraries, educational institutions, and in the offices of the trade associations.



LIST OF FOREST SERVICE PUBLICATIONS ON THE LOGGING,
MANUFACTURE, DISTRIBUTION, AND USE OF TIMBER, LUMBER, AND
OTHER WOODEN PRODUCTS (INCLUDING FABRICATED ARTICLES)

GENERAL ECONOMIC REPORTS

- ** History of the Lumber Industry in the State of New York.
Fox, W. F. Forest Service Bulletin No. 34. 1902.
- ** Forestry and the Lumber Supply. Roosevelt, T. Forest Service Circular No. 25. 1903.
- * National Forests and Lumber Supply. Sherrard, T. H. Department of Agriculture Yearbook Extract No. 434. 1906. 5 cents.
- ** Timber Supply of the United States. Kellogg, R. S. Forest Service Circular No. 97. 1907.
- ** The Waning Hardwood Supply. Hall, W. L. Forest Service Circular No. 116. 1907.
- ** Cutting Timber on the National Forests and Providing for a Future Supply. Zon, R. and Clapp, E. H. Department of Agriculture Yearbook Extract No. 466. 1907.
- ** The Conservation of Natural Resources. Pinchot, G. Department of Agriculture Farmer's Bulletin No. 327. 1908.
- ** Primer of Conservation. Cleveland, T. Forest Service Circular No. 157. 1908.
- ** Declaration of Governors for Conservation. Department of Agriculture Farmer's Bulletin No. 340. 1908.
- ** Timber Supply of the United States. Kellogg, R. S. Forest Service Circular No. 166. 1909.
- * The Forests of the United States: Their Use. Price, O. W., Kellogg, R. S., and Cox, W. T. Forest Service Circular No. 171. 1909. 5 cents.

* and ** - See Instructions, Page 1.

- ** The Forest Resources of the World. Zon, R. Forest Service Bulletin No. 83, 1910.
- * The Business Aspect of National Forest Timber Sales. Woodbury, T. D. Department of Agriculture Yearbook Extract No. 575. 1911. 5 cents.
- ** The Country's Forests. Miscellaneous Forest Service Circular. 1914.
- ** Our Timber Supply. Miscellaneous Forest Service Circular. 1914.
- * Structural Timber in the United States. Betts, H. S. and Greeley, W. B. Proceedings of the International Engineering Congress. 1915.
- ** Some Public and Economic Aspects of the Lumber Industry. Greeley, W. B. Department of Agriculture, Office of the Secretary, Report No. 114. 1917.
- * A National Lumber and Forest Policy. Graves, H. S. Department of Agriculture, Office of the Secretary. Circular No. 134, 1919. 5 cents.
- * Lumber Export and Our Forests. Graves, H. S. Department of Agriculture, Office of the Secretary, Circular No. 140. 1919. 5 cents.
- * A Policy of Forestry for the Nation. Graves, H. S. Department of Agriculture, Office of the Secretary, Circular No. 148. 1919. 5 cents.
- * Timber Ownership and Lumber Production in the Inland Empire. Mason, D. T. 1920. Published by the Western Pine Manufacturers' Association, 510 Yeon Bldg., Portland, Oregon. 50 cents.
- Timber Depletion, Lumber Prices, Lumber Exports, and Concentration of Timber Ownership. Report on Senate Resolution No. 311. 1920. 25 cents.
- * Timber Depletion and the Answer. Department of Agriculture Circular No. 112. 1920. 5 cents.

* and ** - See Instructions, Page 1.

* Wood for the Nation. Greeley, W. B. Department of Agriculture Yearbook Extract No. 835. 1920 5 cents.

Timber: Mine or Crop? Separate No. 286 from U. S. Department of Agriculture Yearbook 1922. 15 cents.

LOGGING

(Some data on logging are occasionally included in the species reports, see USES, Species Reports)

** Measuring the Forest Crop. Mlodziansky, A. K. Forest Service Bulletin No. 20. 1898.

* Woodsman's Handbook. Graves, H. S. Forest Service Bulletin No. 33, 1902. Revised 1903. Revised and enlarged by Graves, H. S. and Ziegler, E. A. 1910. 25 cents.

** Conservative Lumbering at Sewanee, Tennessee. Foley, John. Forest Service Bulletin No. 39. 1903.

* Terms Used in Forestry and Logging. Forest Service Bulletin No. 61. 1905. 5 cents.

** Waste in Logging Southern Yellow Pine. Peters, J. G. Department of Agriculture Yearbook Extract No. 398. 1905. 5 cents.

* Instructions for Appraising Stumpage on National Forests. Miscellaneous Forest Service Bulletin. 1914. Revised April, 1922. 10 cents.

* Cost of Logging Small Timber. Ashe, W. W. Southern Lumberman, October 31, 1914.

* Cost of Logging Large and Small Timber. Ashe, W. W. Forestry Quarterly, Vol. XIV, No. 3, September, 1916, p. 441.

** Instructions for the Scaling and Measurement of National Forest Timber. Miscellaneous Forest Service Bulletin. 1915. Revised 1916.

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- * New Methods of Making Topographic Surveys of Timbered Areas, Bonner, J. H. and Bonner, F. E. Forestry Kaimin, Vol. 2, University of Montana, Missoula, Montana. 1916.
- * Deductions for Defects in Log Scaling. Compiled by District One, Forest Service. Forestry Kaimin, Vol. 2, University of Montana, Missoula, Montana. 1916.
- ** Instructions for Making Timber Surveys in the National Forests. Miscellaneous Forest Service Bulletin. 1917. (Revision of, Instructions for Making Forest Surveys and Maps, 1905. Revised 1907, 1910, and 1912)
- * Use Book, A Manual of Information about the National Forests. Department of Agriculture Miscellaneous Bulletin F-3. 1918. 6th Revised Edition. 15 cents.
- ** Logging in the Douglas Fir Region. Gibbons, W. H. Department of Agriculture Bulletin No. 711. 1918. 30 cents.
- * Early History and Development of Log Scaling Practice. Knouf, C. E. West Coast Lumberman, July 15 and August 1, 1919.

Preventing Damage to Logs in Storage. Forest Products Laboratory Technical Note No. A-4. 1919.

Effect of Time of Cutting Timber on Its Durability. Forest Products Laboratory Technical Note No. F-15. 1919.

Calculating the Volume of Poles and Piles. Forest Products Laboratory Technical Note No. F-21. 1919.

Checking the Doyle and Scribner Log Scales. Forest Products Laboratory Technical Note No. 115. 1920.

"Virgin Growth" and "Second Growth." Forest Products Laboratory Technical Note No. 153. 1921.

Volumetric Measurements of Pulpwood. Forest Products Laboratory Technical Note No. 160. 1921.

* and ** - See Instructions, Page 1.

MANUFACTURE

(Some data on logging are occasionally included in the species reports, see USES, Species Reports.)

- * Accounting, Sawmill Cost. Oakleaf, H. B. West Coast Lumberman, October 15, 1915. p. 24.
- ** California, Yields and Returns of Blue gum in. Woodbury, T. D. Forest Service Circular No. 210. 1912.
- ** California, Lumbering in the Sugar and Yellow Pine Region of. Berry, S. Department of Agriculture Bulletin No. 440. 1917.
- ** California Pine, Fir and Cedar, A study of the Grades of Lumber Produced from. Berry, S. The Timberman, April, 1918. p. 39.
- * Douglas Fir Region, Lumber Manufacture in the. Oakleaf, H. B. Pts. 1-25. Lumber, Vol. 55. Feb. 16 - April 19, May 3 - Aug. 30, 1920. Also published in book form by the Commercial Journal Co., 1020 So. Wabash Ave., Chicago, Illinois. \$2.50.
- * Flumes and Fluming, Bruce, E. S. Department of Agriculture Bulletin No. 87. 1914. 10 cents.
- ** Grades and Amount of Lumber Sawed from Yellow Poplar, Yellow Birch, Sugar Maple and Beech. Braniff, E. A. Forest Service Bulletin No. 73. 1906. 10 cents.
- Maple, Summary of Mill Scale Study of. White, David G. Hardwood Record, February 10, and American Lumberman February 10 and 17, 1917.
- Oak, A Mill Scale Study of Red and White. White, David G. Southern Lumberman, October 12, and American Lumberman, October 12 and 19, 1918.
- Oak, Manufacture and Seasoning of. White, David G. Hardwood Record, August 25, and Southern Lumberman, July 30, 1921.

* and ** - See Instructions, Page 1.

Plywood, Notes on the Manufacture of. Forest Products
Laboratory Mimeograph No. 543. 1920.

- * Sawmills, Small. Seerey, D. F. Department of Agriculture Bulletin No. 718. 1918. 10 cents.
- ** Statistics, Sawmill. Forest Service Circular No. 107. 1907.
- * Timber Values, The Determination of. Braniff, E. A. Department of Agriculture Yearbook Extract No. 359. 1904.

Turpentining, Lumber Value of Pine Trees not Affected by. Forest Products Laboratory Technical Note No. 158. 1921.

Veneer, The Manufacture of. Truax, T. R. Forest Products Laboratory Mimeograph No. 285. 1924.

DISTRIBUTION

General Marketing Information

- * Timber, an Elementary Discussion of the Characteristics and Properties of Wood. Roth, F. Forest Service Bulletin No. 10. 1895. 10 cents.
- * Check List of the Forest Trees of the United States. Sudworth, G. B. Forest Service Bulletin No. 17. 1898. 15 cents.
- * Guidebook for the Identification of Woods Used For Ties and Timbers. Koehler, A. Forest Service Miscellaneous Bulletin RL-1. 1917. 30 cents.
- * Wholesale Distribution, The Distribution of Softwood Lumber in the Middle West. Butler, O. M. Department of Agriculture, Office of the Secretary Report No. 115. 1917. 20 cents.
- * Retail Distribution, The Distribution of Softwood Lumber in the Middle West. Butler, O. M. Department of Agriculture, Office of the Secretary Report No. 116. 1918. 15 cents.

* and ** - See Instructions, Page 1.

Standard Terms for Describing Wood. Forest Products Laboratory Mimeograph No. 476. 1919.

Average Weights of Various Species of Wood. Forest Products Laboratory Technical Note. No. B-15. 1919.

How to Retain Bark on Logs Used in Rustic Construction. Forest Products Laboratory Technical Note No. F-28, 1919.

- * Mahogany, Certain So-called Mahoganies, and Some Common Substitutes, The Identification of True. Koehler, A. Department of Agriculture Bulletin No. 1050. 1922. 10 cents.

Marketing Suggestions
(See also USES)

- * Pointers on Marketing Woodlot Products. Wolfe, S. L. Department of Agriculture Yearbook Extract No. 662. 1915. 5 cents.
- The Purchase of Pulpwood. Winslow, C. P. and Thelen, R. Paper, October 4, 1916. Also, Forest Products Laboratory Mimeograph No. 641 - A.
- * Making Farm Woodlands Profitable in the South. Mattoon, W. R. Department of Agriculture, Farmer's Bulletin No. 1071. 1920. 5 cents.
- * Cooperative Marketing of Woodland Products. Hawes, A. F. Department of Agriculture, Farmer's Bulletin No. 1100. 1920. 5 cents.
- * Forestry and Farm Income. Mattoon, W. R. Department of Agriculture, Farmer's Bulletin 1117. 1920. 5 cents.
- Measuring and Marketing Farm Timbers. Mattoon, W. R. and Barrows, W. B. Department of Agriculture, Farmer's Bulletin No. 1210. 1921. (Revision of Farmer's Bulletin No. 715, Measuring and Marketing Woodlot Products. 1916). 5 cents.
- Forestry Lessons on Home Woodlands. Mattoon, W. R. Department of Agriculture, Bulletin No. 863. 1920, Revised 1925.

* and ** - See Instructions, Page 1.

- * Georgia, Marketing Farm Woodland Products in. Lamb, G. N. Bulletin No. 129, Georgia State College of Agriculture, Athens, Georgia. 1917.
- * (Kentucky) Marketing of Woodlot Products. Sterrett, W. D. Second Biennial Report of the State Forester, Frankfort, Kentucky. 1915.
- * (Indiana) Farm Woodlot Timber: Its Uses and Principal Markets. Lamb, G. N. Extension Bulletin No. 51, Purdue University, La Fayette, Indiana. 1916.
- * Maine, Marketing Farm Woodlot Products in. Lamb, G. N. Extension Bulletin No. 113, Univcrsity of Maine, Orono, Maine. 1917.
- * Michigan, Farms, Selling Woodlot Products on. Frothingham, E. H. Bulletin, Public Domain Commission, State of Michigan, Lansing, Michigan. 1916.
- * Missouri, Marketing Woodlot Products in. Lamb, G. N. Reprinted by the Journal of Agriculture. St. Louis, Missouri. 1917-18.
- * South Carolina, Marketing Farm Timber in. Lamb, G. N. Bulletin, Clemson Agricultural College, Clemson College, South Carolina. 1918.
- * Tennessee, Marketing Woodlot Products in. Sterrett, W. D. Vol. VII, No. 3 of the "Resources of Tennessee," State Geological Survey, Nashville, Tennessee. 1917.
- * (Wisconsin) Suggestions for Marketing Small Timber. MacKaye, B. Bulletin No. 4, State Conservation Commission, Madison, Wisconsin. 1918.

So-Called Defects and Blemishes

- * Compression Failures as Defects. Markwardt, L. J. Hardwood Record, October 25, 1914.
- "Compression" Wood and Failure of Factory Roof-Beam. Heck, G. E. Engineering News Record, September 11, 1919.
- "Compression Wood," Shrinkage in So-Called. Forest Products Laboratory Technical Note No. B-12. 1919.
- Decays of Discolorations in Airplane Woods. U. S. D. A. Bulletin 1128, 1923 - 20 cents.

* and ** - See Instructions, Page 1.

Decay of Lumber and Building Timber. Humphrey, C. J.
(Rev. of Applied Mycology, v.3, Pt.10, Oct. 1924,
p.563-64)

Difference Between Heartwood and Sapwood. Forest
Products Laboratory Technical Note No. 189. 1923.

Dry-Rot in Buildings and Stored Construction Materials
and How to Combat it. Humphrey, C. J. & Miles, L. E.

** Flecks in Wood. Brown, H. P. Forest Service Circular
No. 215. 1913.

Factors Affecting the Strength of Wooden Members.
Koehler, A. Forest Products Laboratory Mimeograph
No. 363. 1919.

* "Grain" and "Texture" with Respect to Wood, A Plea for
the Closer Discrimination in the Use of the Words,
Koehler, A. Hardwood Record, February 25, 1917.

Grain of the Wood with Special Reference to the Direction
of the Fibers, The. Koehler, A. Aerial Age Weekly,
August 12; West Coast Lumberman, July 15; and Scien-
tific American Supplement, September 7, 1918.

* Grain on the Strength of Wood, Effect of Spiral. Wilson,
T. R. C. Journal of Forestry, November, 1921.

Molds and Wood Destroyers, Difference Between. Forest
Products Laboratory Technical Note No. 133. 1921.

* Piling Methods and Blue Stain Losses. Hubert, E. E.
Southern Lumberman. November, 1924.

* Pitch Pockets and Their Relation to the Inspection of
Airplane Parts. Watkins, J. R. Journal of the Franklin
Institute, August 1919.

Rot?, What is Dry. Forest Products Laboratory Technical
Note No. 105. 1920.

Shrinkage and Swelling of Wood. Koehler, A. American
Furniture Manufacturer, March 1920. Also Forest Prod-
ucts Laboratory Mimeograph No. 736.

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- * Spiral and Diagonal Grain in Wood. Koehler, A. Industrial Arts. May, 1924.
- Stain and Molds on Lumber, Sap. Humphrey, C. J. Forest Products Laboratory Mimeograph No. 491. 1918.
- Stain, Cause and Prevention of Blue. Forest Products Laboratory Technical Note No. 151. 1921.
- Stain on Hardwood, The Yellow. Forest Products Laboratory Technical Note No. 166. 1922.
- Stains, Removal of Glue. Forest Products Laboratory Technical Note No. 146. 1921.
- Sunken Joints in Furniture Panels. Forest Products Laboratory Technical Note No. 139. 1921.

Grades and Specifications

- ** Rules and Specifications for the Grading of Lumber. Hodson, E. R. Forest Service Bulletin No. 71. 1906.
- * Applicability of Yellow Pine Grading Rules to Other Timbers. Newlin, J. A. Engineering Record, October 3, 1914.
- Grading Rules of Yellow Pine Structural Timber Discussed. Betts, H. S. American Lumberman, April 24, 1915.
- * Discussion of Proposed Forest Service Rules for Grading the Strength of Southern Pine Structural Timber. Betts, H. S. Proceedings of the Eighteenth Annual Meeting of the American Society for Testing Materials, June 26, 1915.
- * Southern Yellow Pine Timber and Density Grading Rules. Swan, O. T. Proceedings of the Eighteenth Annual Meeting of the American Society for Testing Materials. June 26, 1915.
- * Density Rules and Their Application to Timbers: A summary of What has Been Accomplished in Formulating a New Standard Specification for Yellow Pine Structural Material. Swan, O. T. Lumber World Review. July 10, 1915.

* and ** - See Instructions, Page 1.

- * The Need of a Quality Classification for Douglas Fir. Newlin, J. A. Proceedings of the 19th Annual Meeting of the American Society for Testing Materials. June 27, 1916.
- * How Lumber is Graded. Betts, H. S. Department of Agriculture Circular No. 64. 1920. 10 cents.
- Grading Rules and Working Stresses for Structural Timbers. Wilson, T. R. C. Forest Products Laboratory Mimeograph No. 229, 1920.
- Basic Grading Rules for Structural Timbers. Forest Products Laboratory Technical Note No. 200. 1923.
- Comparison of Commercial Grades and Forest Service Basic Grades for Yard Lumber. Forest Products Laboratory Technical Note No. 206. 1923.
- Standard Grading Specifications for Yard Lumber - Softwoods. U. S. Department of Agriculture Circular 296. 1923. 20 cents.
- * Basic Grading Rules and Working Stresses for Structural Timbers. U. S. Department of Agriculture Circular 295. 1923. 5 cents.
- Working Stresses for Structural Timbers. F. P. L. Technical Note 201. 1923.
- * Hardwood Factory Lumber Grading Studies. Second Progress Report. Hardwood Record, September, 1924.
- * Hardwood Grading Studies - Report to Subcommittee on Grading Rules - Hardwood Consulting Committee. Progress Report 4A. Hardwood Record, April 25, 1925.
- * Standardization of Hardwood Grades. Winslow, C. P. Hardwood Record, June, 1924.
- * Influence of Growth Conditions Upon the Properties of Wood. Paul, B. H. Journal of Forestry, November, 1924.
- * Some Thoughts on Hardwood Lumber Grading. Benson, A. O. Southern Lumberman, December 20, 1924.

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Why Should Hickory be Graded on Color Specifications?
Paul, B. H. Woodworking Industries. April, 1925.

Standardization

- * Standardization of Lumber Sizes and Grades. White, David, G. Journal of Forestry. January, 1921.
- The Present Lumber Standardization Movement. White, David, G. Purchasing Agent, Nov. 1921. Railway Purchases and Stores, December, 1921; American Contractor, December 3, 1921; Southern Lumberman, December, 17, 1921; West Coast Lumberman, November 15, 1921; Wood Turning, November, 1921; Southern Lumber Journal, November 15, 1921; Wood Construction, Oct. 15, 1921; and Sash-Door-Finish, March, 1922. Also, Forest Products Laboratory Mimeograph No. 745.

Standard Abbreviations. Forest Products Laboratory Technical Note No. 192. 1923.

- * The Need for Lumber Standardization. White, David G. American Builder, March and April, 1922.
- * Lumber Standardization and the Railroads. White, David G. Railway Purchases and Stores, March, 1922.
- * Shrinkage of Ties in Seasoning. Upson, A. T. Cross Tie Bulletin, May, 1922.
- * Progress Towards Lumber Standardization. Upson, A. T. Southern Lumberman, April 15, and Proceedings of the Fourth American Lumber Congress, 1922.

USES

General Reports

(See also DISTRIBUTION, General Marketing Information and Marketing Suggestions)

- ** A Descriptive Catalogue of Manufactures from Native Woods, as Shown in the Exhibit of the United States Department of Agriculture at the World's Industrial and Cotton Exposition at New Orleans, Louisiana. Dodge, C. R. Department of Agriculture Special Report No. 10. 1886.

* and ** - See Instructions, Page 1.

** Uses of Wood. Roth, F. Department of Agriculture Yearbook Extract No. 79. 1896.

* Trees Important in Forestry, Sudworth, G. B. Department of Agriculture Yearbook Extract No. 112. 1897. 60 cents.

** Use of Dead Timber in the National Forests. Hodson, E. R. Forest Service Circular No. 113. 1907.

** Commercial Importance of the White Mountain Forests. Ayers, P. W. Forest Service Circular No. 168. 1909.

* Household Uses for Wood. Knapp, J. B. American Lumberman, May 22, 1915, p. 47.

* The Structure of Wood and Some of Its Properties and Uses. Gerry, E. Bulletin No. 1, Northern Hemlock and Hardwood Manufacturers' Association, Oshkosh, Wisconsin. January, 1916.

* The Utilization of Blue-Stained Wood. Hubert, E. E. The Timberman, September, 1922, p. 116.

* Red Cedar Chests as Protectors Against Moth Damage. Bach, E. A. and Rabak, F. Department of Agriculture Bulletin No. 1051. 1922. 10 cents.

Utilization of Blue-Stained Lumber. Forest Products Laboratory Technical Note No. 184. 1923.

Veneered and Solid Furniture. Forest Products Laboratory Technical Note No. 197. 1923.

* Western Woods for Cores in Veneered Panels. Truax, R. R. Furniture Manufacturer & Artisan, November, 1923.

* Properties and Uses of Wood. Koehler, Arthur. 1924. \$3.50. McGraw-Hill Publishing Company, New York.

Efficient Forest Utilization, a Major Factor in an Effective National Forest Policy. Winslow, C. P. Journal of Forestry, January, 1924. F. P. L. Mimeo-graph No. 1.

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- * Sap Stain Problem and a Ten Million Dollar Loss. Hubert, E. E. Hardwood Record, March, 1924. Southern Lumberman, February, 1924. The Timberman, February, 1924. West Coast Lumberman, March, 1924.
- * Decreasing Degrade Loss on Sap Pine by \$3 - \$4.50 per M. Knauss, A. C. Lumber, October, 1924.
- * Weed Trees and Sawmill Profit. Dain, B. D. Timberman, October, 1924.
- * Utilizing Low Grade Lumber in Furniture. Dain, B. D. Furniture Manufacturer & Artisan, November, 1924.
- * Timber Saving by Painting and Preservation. Browne, F. L. American Paint Journal, November, 1924.
- Wood Waste Prevention. Thelen, Rolf. Lumber, November, 1924.
- * How Wood Losses Occur. Colley, R. H. Wood Preserving News, December, 1924.
- * Materials for the Household. (Contains Chapter on Wood by A. Koehler). Department of Commerce, Bureau of Standards Circular No. 70. 1917. 25 cents.
- ** The Substitution of Other Material for Wood. Thelen, R. Department of Agriculture, Office of the Secretary Report No. 117. 1917.
- * The Status and Value of Farm Woodlots in the Eastern United States. Frothingham, E. H. Department of Agriculture Bulletin No. 481, pp. 34-37, 1917. 15 cents.
- ** Lumber Used in the Manufacture of Wooden Products. Nellis, J. C. Department of Agriculture Bulletin No. 605. 1918. 5 cents.
- Brazil, Properties and Uses of Some of the More Important Woods Grown in. Horn, E. F. Forest Products Laboratory Mimeograph No. 83. 1918.
- * Commercial Woods of the Pacific Coast. Gould, C. W. The Timberman, February, 1920.

* and ** - See Instructions, Page 1.

* Commercial Woods of the Pacific Coast. Gould, C. W. The Timberman, April, 1922. pp. 34-39.

Species Reports

(See also USES, State Wood-Using Industry Reports for uses of woods)

* Acacias, An Economic Study of. Shinn, C. H. Department of Agriculture Bulletin No. 9. 1913. 10 cents.

** Alder, Red. Forest Service Silvical Leaflet No. 53, p. 3, 1912.

** Ash, Green. Forest Service Circular No. 92, p. 2, 1907.

** Ash, White. Forest Service Circular No. 84, p. 3, 1907.

* Ash, Utilization of. Sterrett, W. D. Department of Agriculture Bulletin No. 523. 1917. 15 cents.

Ash and Hickory, How Growth Affects Quality in. Paul, B. H. Hardwood Record, January 10, 1925.

* Australasia, The Important Piling Timbers of. Armstrong, A. K. Engineering, November 17, 1916.

** Basswood. Forest Service Circular No. 63, p. 2. 1907.

Basswood, Utilization of. Brush, W. D. Department of Agriculture Bulletin No. 1007. 1922.

* Beech, Birches, Maples, Uses of Commercial Woods of the United States. Maxwell, H. Department of Agriculture Bulletin No. 12. 1913. 10 cents.

** Boxelder, Forest Service Circular No. 86, p. 2. 1907-9. (2 editions) 5 cents.

** Catalpa, The Hardy. Hall, W. L. and Schrenk, H. Von. Forest Service Bulletin No. 37. 1902, pp. 12, 24, 32, and 44.

* Cedar, Incense. Mitchell, J. A. Department of Agriculture Bulletin No. 604. 1918. 10 cents. pp. 1-10.

** Cedar, Red. Forest Service Circular No. 73, p. 2. 1907.

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